

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: PORTFOLIO

Report Number: P683922

Luminaire Tested: **LX6C100D010 EX6C1009050 6LBMH**

Issue Date: 2/15/2022

Test Information

Test Method: LM-79-08
Report Number: P683922
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P203254)
Test Lab: INNOVATION CENTER
Issue Date: 2/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX6C100D010 EX6C1009050 6LBMH
Description: 6 INCH 10000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LBM TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

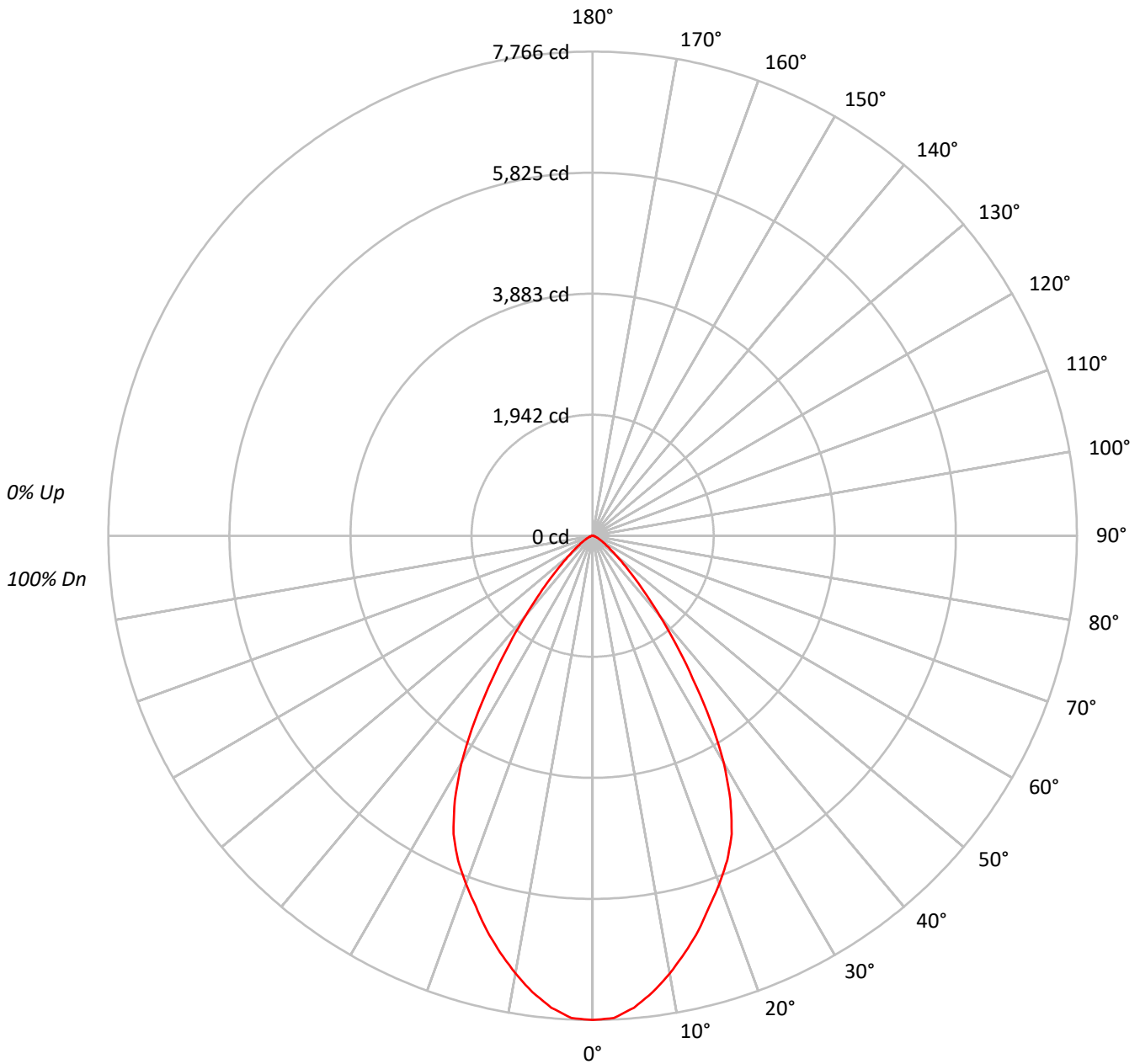
Lumens per Lamp: N/A
Luminaire Lumens: 7847.1 lumens
Efficiency: N/A
Efficacy: 68.6 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.93
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 114.4
Input Voltage (V):
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

TEST NUMBER: P683922

CATALOG NUMBER: LX6C100D010 EX6C1009050 6LBMH

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	92	92	92	92
2	107	102	97	93	105	100	96	92	97	93	90	94	91	88	91	89	87	85	85	85	85
3	101	94	88	84	99	92	87	84	90	86	82	87	84	81	85	82	80	78	78	78	78
4	95	87	81	76	93	86	80	76	84	79	75	82	78	74	80	76	73	72	72	72	72
5	90	81	75	70	88	80	74	70	78	73	69	76	72	68	75	71	68	66	66	66	66
6	85	75	69	64	83	75	69	64	73	68	64	72	67	63	70	66	63	61	61	61	61
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57	57	57	57
8	76	66	60	55	75	65	59	55	64	59	55	63	58	55	62	58	54	53	53	53	53
9	72	62	56	51	71	61	55	51	60	55	51	60	55	51	59	54	51	49	49	49	49
10	69	58	52	48	68	58	52	48	57	52	48	56	51	48	55	51	48	46	46	46	46

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	425722
5°	418104
10°	396736
15°	372040
20°	346478
25°	319246
30°	266003
35°	187485
40°	119488
45°	71255
50°	42063
55°	26761
60°	18431
65°	13075
70°	9008
75°	7117
80°	3504
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	710.1	9.0
10°-20°	1836.9	23.4
20°-30°	2380.1	30.3
30°-40°	1767.0	22.5
40°-50°	746.0	9.5
50°-60°	264.9	3.4
60°-70°	102.2	1.3
70°-80°	35.4	0.5
80°-90°	4.5	0.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	4927.0	62.8
0°-40°	6694.1	85.3
0°-60°	7704.9	98.2
0°-90°	7847.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7847.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7766	
5°	7598	710
15°	6555	1837
25°	5278	2380
35°	2802	1767
45°	919	746
55°	280	265
65°	101	102
75°	34	35
85°	0	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7765.8
2.5°	7743.3
5°	7597.8
7.5°	7384.6
10°	7127.1
12.5°	6846.7
15°	6555.3
17.5°	6230.6
20°	5939.1
22.5°	5636.6
25°	5277.9
27.5°	4784.8
30°	4202.2
32.5°	3518.5
35°	2801.5
37.5°	2196.4
40°	1669.7
42.5°	1243.7
45°	919.1
47.5°	672.3
50°	493.2
52.5°	369.8
55°	280.0
57.5°	212.7
60°	168.1
62.5°	123.4
65°	100.8
67.5°	78.3
70°	56.2
72.5°	44.7
75°	33.6
77.5°	22.6
80°	11.1
82.5°	11.1
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)